

ABSTRACT OF THE DISCLOSURE

In the process of the present invention, a polyalkyl-substituted aromatic aldehyde is produced by the formylation of a corresponding polyalkyl-substituted aromatic compound with carbon monoxide in the presence of
5 hydrogen fluoride/boron trifluoride catalyst. By limiting the amount of hydrogen fluoride to a specific range, the formylation rapidly proceeds under mild conditions without causing the precipitation of solid matters even when the starting polyalkyl-substituted aromatic compound has alkyl groups on both the carbon atoms adjacent to the site to be formylated.